

ABSTRACT

A modified polypropylene has a melt flow rate of 0.1 to 10 g/10 min, a melt tension of 3 to 20 g and a gel fraction, as determined by boiling paraxylene extraction, of 0.01 to 25 % by weight. The modified polypropylene, a process for preparing the modified polypropylene, and a modified polypropylene composition containing the modified polypropylene are capable of producing a foamed product having excellent foam properties and food hygienic qualities. The foamed product obtained from the modified polypropylene or the modified polypropylene composition is lightweight, highly rigid and excellent in chemical resistance and food hygienic qualities, and hence it can be used for food packaging containers and trays, particularly containers of noodles or ice cream and trays of fish or meat, for which polystyrene has been heretofore used.